

Workshop on  
*Ubiquitous Positioning and  
Indoor Navigation (UPIN 2011)*

Finnish Geodetic Institute  
Geodeetinrinne 2, Masala, Kirkkonummi  
Wednesday 28.09.2011, 9:00 - 16:15

**Programme**

9:00-9:05	Opening of the Workshop	
9:05-9:35	Finnish and European satellite navigation – getting ready, growing up	Pauli Stigell, Tekes
9:35-10:05	Indoor positioning by GSM, UMTS & LTE systems: status update from Telecom operator	Lars Magnusson, Telia Sonera
10:05-10:35	Indoor/outdoor Seamless Positioning and Application for City Ecosystems	Ruizhi Chen, Finnish Geodetic Institute
	<u>Coffee break</u>	
10:45-11:15	VTI's Solutions for Step Navigation	Ulf Meriheinä, VTI Technologies
11:15-11:45	MEMS-Based Navigation	Jussi Collin, Tampere Uni. of Technology
	<u>Lunch break</u>	
12:30-13:00	WLAN Positioning for Indoor (TBC)	Arttu Huhtiniemi, Ekahau
13:00-13:30	Taking indoor positioning to mass market	Lauri Wirola, Nokia
13:30-14:00	Fastrax multi-GNSS solutions	Stefan Söderholm, Fastrax
	<u>Coffee break</u>	
14:45-15:15	Positioning using Coverage Area Databases	Robert Piché Tampere Uni. of Technology
15:15-15:45	RFID-based indoor positioning	Kaj Nummila, VTT
15:45-16:15	Bluetooth low energy indoor navigation	Sami Herrala, 9Solutions
	End of the Workshop	

You can register free of charge to the workshop by sending an e-mail to [heidi.kuusniemi@fgi.fi](mailto:heidi.kuusniemi@fgi.fi) with a subject UPIN2011. Limited amount of seats available, so register early enough.

